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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|----------------------|---------------------|------------------|
| 10/560,714 | 12/15/2005 | Maw Maw Naing | NL 030712 | 8568 |
| 65913 | 7550 | 07/12/2010 | EXAMINER | |
| NXP, B.V. NXP INTELLECTUAL PROPERTY & LICENSING M/S41-SJ 1109 MCKAY DRIVE SAN JOSE, CA 95131 | | | SHAIL, TANMAY K | |
| | | | ART UNIT | PAPER NUMBER |
| | | | 2611 | |
| | | | NOTIFICATION DATE | DELIVERY MODE |
| | | | 07/12/2010 | ELECTRONIC |

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ip.department.us@nxp.com

Office Action Summary

Application No.

10/560,714

Applicant(s)

NAING, MAW MAW

Examiner

TANMAY K. SHAH

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 April 2010.
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
4a) Of the above claim(s) 8 is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) 1, 5 - 7 is/are rejected.
7) ☐ Claim(s) 2 - 4, 9 - 17 is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☒ The drawing(s) filed on 12/15/05 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/GS/US)
4) ☐ Interview Summary (PTO-413)
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____
Paper No(s)/Mail Date _____

DETAILED ACTION

1. This communication is in response to the Amendment to Application 10/560,714 filed on 4/6/10.

Response to Arguments

2. Applicant's arguments see pages 7 - 11, filed 4/6/10, with respect to the rejection(s) of claim(s) 1 - 7 under USC 102 and 103 have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Koizumi (US 2002/0131,553).

Drawings

3. The drawings are objected to under 37 CFR 1.83(a) because they fail to show Details of numbered square blocks as described in the specification. Person in the ordinary skilled in the art should be able to understand figures without referring to the specification. Any structural detail that is essential for a proper understanding of the disclosed invention should be shown in the drawing. MPEP § 608.02(d). Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes

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made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1, 5 – 7 are rejected under 35 U.S.C. 102(e) as being anticipated by Koizumi (**US 2002/031,553**).

Regarding claim 1, A receiver (1) for receiving radio frequency signals and comprising:

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a first stage (3) for amplifying (i.e. **amplifier, 52 of Fig. 1**) and tuning radio frequency signals and for generating intermediate frequency signals (i.e. **tuner 11 of Fig. 1, which outputs intermediate frequency signal**);

a first gain controller (38) for controlling a gain of the first stage (3) (i.e. **AGC controller 61 of Fig. 1 controls gain of stage 1**);

a second stage (5) for amplifying and demodulating the intermediate frequency signals (i.e. **amplifier 72 and demodulator 13 of Fig. 1**);

a second gain controller (54) for controlling a gain of the second stage (5) (i.e. **gain controller 75, controls the gain of second stage as shown in Fig. 1**); which first and second gain controllers (38,54) control the gains independently from each other (i.e. **as shown in Fig. 1 both gain controllers 61 and 75 are controlled independently with different control signal from the demodulator as shown in Fig. 1**) with the first gain controller to control the gain of the first stage based on a modulated intermediate frequency signal at an input of the first gain controller (i.e. **as shown in Fig. 1 the gain controller controls the gain independently and first gain controller has modulated signal as it is not demodulated and the gain is being controlled at input of the first gain controller**), and the second gain controller to control the gain of the second stage based on a demodulated intermediate frequency signal at an input of the second gain controller (i.e. **as shown in Fig. 1 the gain controller controls the gain independently and second gain controller has demodulated signal as it is demodulated by demodulator and the gain is being controlled at input of the second gain controller**).

Regarding claim 5, the tuner has substantially same limitations as claim 1, thus the same rejection is applicable.

Regarding claim 6, the demodulator has substantially same limitations as claim 1, thus the same rejection is applicable.

Regarding claim 7, the method has substantially same limitations as claim 1, thus the same rejection is applicable.

Allowable Subject Matter

6. Claims 2 – 4 and 10 - 17 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to TANMAY K. SHAH whose telephone number is (571)270-3624. The examiner can normally be reached on Mon-Thu (7:30 - 5:00).

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Payne can be reached on 571-272-3024. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/TANMAY K SHAH/
Examiner, Art Unit 2611

/David C. Payne/
Supervisory Patent Examiner, Art Unit 2611